



SEQUENCE LISTING

<110> Kimura, Naoki
Toyoshima, Tomoko

<120> NOVEL SECRETORY MEMBRANE PROTEIN

<130> 06501/040001

<140> US 09/411,722

<141> 1999-10-01

<150> PCT/JP98/01511

<151> 1998-04-01

<150> JP 9/099653

<151> 1997-04-01

<160> 12

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 176

<212> PRT

<213> Mus musculus

<400> 1

Met	Val	Thr	Phe	Ser	His	Val	Ser	Ser	Leu	Ser	His	Trp	Phe	Leu	Leu
1				5					10					15	
Leu	Leu	Leu	Leu	Asn	Leu	Phe	Leu	Pro	Val	Ile	Phe	Ala	Met	Pro	Glu
			20					25					30		
Ser	Tyr	Ser	Phe	Asn	Cys	Pro	Asp	Gly	Glu	Tyr	Gln	Ser	Asn	Asp	Val
		35					40					45			
Cys	Cys	Lys	Thr	Cys	Pro	Ser	Gly	Thr	Phe	Val	Lys	Ala	Pro	Cys	Lys
	50					55					60				
Ile	Pro	His	Thr	Gln	Gly	Gln	Cys	Glu	Lys	Cys	His	Pro	Gly	Thr	Phe
65					70					75				80	
Thr	Gly	Lys	Asp	Asn	Gly	Leu	His	Asp	Cys	Glu	Leu	Cys	Ser	Thr	Cys
			85					90					95		
Asp	Lys	Asp	Gln	Asn	Met	Val	Ala	Asp	Cys	Ser	Ala	Thr	Ser	Asp	Arg
			100					105					110		
Lys	Cys	Glu	Cys	Gln	Ile	Gly	Leu	Tyr	Tyr	Tyr	Asp	Pro	Lys	Phe	Pro
		115					120					125			
Glu	Ser	Cys	Arg	Pro	Cys	Thr	Lys	Cys	Pro	Gln	Gly	Ile	Pro	Val	Leu
	130					135					140				
Gln	Glu	Cys	Asn	Ser	Thr	Ala	Asn	Thr	Val	Cys	Ser	Ser	Ser	Val	Ser
145					150					155				160	
Asn	Pro	Arg	Asn	Trp	Leu	Phe	Leu	Leu	Met	Leu	Ile	Val	Phe	Cys	Ile
			165						170					175	

<210> 2

<211> 148

<212> PRT

<213> Mus musculus

<400> 2

Ala Met Pro Glu Ser Tyr Ser Phe Asn Cys Pro Asp Gly Glu Tyr Gln
 1 5 10 15
 Ser Asn Asp Val Cys Cys Lys Thr Cys Pro Ser Gly Thr Phe Val Lys
 20 25 30
 Ala Pro Cys Lys Ile Pro His Thr Gln Gly Gln Cys Glu Lys Cys His
 35 40 45
 Pro Gly Thr Phe Thr Gly Lys Asp Asn Gly Leu His Asp Cys Glu Leu
 50 55 60
 Cys Ser Thr Cys Asp Lys Asp Gln Asn Met Val Ala Asp Cys Ser Ala
 65 70 75 80
 Thr Ser Asp Arg Lys Cys Glu Cys Gln Ile Gly Leu Tyr Tyr Tyr Asp
 85 90 95
 Pro Lys Phe Pro Glu Ser Cys Arg Pro Cys Thr Lys Cys Pro Gln Gly
 100 105 110
 Ile Pro Val Leu Gln Glu Cys Asn Ser Thr Ala Asn Thr Val Cys Ser
 115 120 125
 Ser Ser Val Ser Asn Pro Arg Asn Trp Leu Phe Leu Leu Met Leu Ile
 130 135 140
 Val Phe Cys Ile
 145

<210> 3

<211> 1509

<212> DNA

<213> Mus musculus

<220>

<221> CDS

<222> (12)...(539)

<400> 3

agctcacagc c atg gtt acc ttc agc cac gtc tcc agt ctg agt cac tgg 50
 Met Val Thr Phe Ser His Val Ser Ser Leu Ser His Trp
 1 5 10
 ttc ctc ttg ctg ctg ctg ctg aat ctg ttc ttg ccg gta ata ttt gct 98
 Phe Leu Leu Leu Leu Leu Leu Asn Leu Phe Leu Pro Val Ile Phe Ala
 15 20 25
 atg cct gaa tca tac tcc ttc aac tgt ccc gat ggt gaa tac cag tct 146
 Met Pro Glu Ser Tyr Ser Phe Asn Cys Pro Asp Gly Glu Tyr Gln Ser
 30 35 40 45
 aat gat gtc tgt tgc aag acc tgt ccc tca ggt aca ttt gtc aag gcg 194
 Asn Asp Val Cys Cys Lys Thr Cys Pro Ser Gly Thr Phe Val Lys Ala
 50 55 60
 ccc tgc aaa atc ccc cat act caa gga caa tgt gag aag tgt cac cca 242
 Pro Cys Lys Ile Pro His Thr Gln Gly Gln Cys Glu Lys Cys His Pro
 65 70 75
 gga aca ttc aca ggg aaa gat aat ggc ctg cat gat tgt gaa ctt tgc 290
 Gly Thr Phe Thr Gly Lys Asp Asn Gly Leu His Asp Cys Glu Leu Cys
 80 85 90
 tcc acc tgt gat aaa gac cag aat atg gtg gct gac tgt tct gcc acc 338

Ser	Thr	Cys	Asp	Lys	Asp	Gln	Asn	Met	Val	Ala	Asp	Cys	Ser	Ala	Thr	
95						100					105					
agt	gac	cgg	aaa	tgc	gag	tgc	caa	ata	ggg	ctt	tac	tac	tat	gac	cca	386
Ser	Asp	Arg	Lys	Cys	Glu	Cys	Gln	Ile	Gly	Leu	Tyr	Tyr	Tyr	Asp	Pro	
110						115				120					125	
aaa	ttt	ccg	gaa	tca	tgc	cgc	cca	tgt	acc	aag	tgt	ccc	caa	gga	atc	434
Lys	Phe	Pro	Glu	Ser	Cys	Arg	Pro	Cys	Thr	Lys	Cys	Pro	Gln	Gly	Ile	
					130					135					140	
cct	gtc	ctc	cag	gaa	tgc	aac	tcc	aca	gct	aac	act	gtg	tgc	agt	tca	482
Pro	Val	Leu	Gln	Glu	Cys	Asn	Ser	Thr	Ala	Asn	Thr	Val	Cys	Ser	Ser	
			145						150				155			
tct	gtt	tca	aat	ccc	aga	aac	tgg	ctg	ttc	cta	ctg	atg	cta	att	gtc	530
Ser	Val	Ser	Asn	Pro	Arg	Asn	Trp	Leu	Phe	Leu	Leu	Met	Leu	Ile	Val	
			160				165					170				
ttc	tgt	atc	tgaagaagat	aaaggttcta	cagatgggtgt	ctgtagcttc										579
Phe	Cys	Ile														
			175													
cttttattgc	tgtgaagaga	aaccatggag	gcaactcttt	cattttatatt	tatttttttaa											639
tgtcttgaac	ttgatttgaa	gaccaggctg	gactcaaact	cacagagatc	cggactaggc											699
acctctaata	taggaaaaca	ttgaattggg	actggcttac	agtttcagaa	gttctgtcca											759
tgattatcat	agtgcgaagc	atggaggcac	ggaggcacac	atgggtgctgg	agaagaagct											819
gagagttctg	catcttgatc	tgcaagcaat	aaaaggagac	tgtgtgccac	actacacata											879
gcttgaacat	aggagacctc	aaagcctgtc	cccacagtga	caaacttcct	ccaacaaggt											939
catacctcct	aataatacca	tttcttatga	ggcaagcatt	caaacacatg	agtctatgag											999
ggccaaacca	attcaaacca	ccacaggtta	acaattgccc	tctgcagctc	tctggtggag											1059
gccctccttg	agagtaagta	acaatttaga	tgaaggcaag	tcctggtatc	aggtccaaaa											1119
gaaactcagg	atgaatggtc	cactgtgggt	cctattaaca	tactgaagaa	catgacctca											1179
ccttagactt	ctccacctca	ctggcttccc	ttcccctagc	ttctcattcc	caggtaaccc											1239
tgccattttt	tggtaatgtg	cottcttggg	tcttctcttc	ctttccccct	ctcttctggg											1299
ccttattttt	cttctctctc	cactctccac	cagccgcctc	ttaaggcctg	agtcagtctg											1359
caggccatgt	ttaatctact	actttctctc	tgctctggac	tcattccagat	gtctctgggt											1419
gagctctccc	tcctatctac	aataaaacct	tccccctaac	cagaaatgga	acagttttgt											1479
cctcactttg	tacatctggg	gcttgaaacc														1509
<210> 4																
<211> 43																
<212> DNA																
<213> Artificial Sequence																
<220>																
<223> Synthetically generated primer																
<400> 4																
gcggccgcga attctgacta actgacgggg ggggggggggg ggg															43	
<210> 5																
<211> 26																
<212> DNA																
<213> Artificial Sequence																
<220>																

<223> Synthetically generated primer

<400> 5

ccgcgagctc gatatcaagc ttgtac

26

<210> 6

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetically generated primer

<400> 6

ggcgctcgag ctatagttcg aacatggag

29

<210> 7

<211> 29

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetically generated primer

<400> 7

gaggtacaag cttgatatcg agctcgagg

29

<210> 8

<211> 23

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetically generated primer

<400> 8

gccgcgaatt ctgactaact gac

23

<210> 9

<211> 24

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetically generated primer

<400> 9

ggatccttca actgtcccga tggt

24

<210> 10

<211> 26

<212> DNA

<213> Artificial Sequence

<220>

<223> Synthetically generated primer

<400> 10
gaattccaca cagtgttagc tgtgga

26

<210> 11
<211> 36
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated primer

<400> 11
ccgaattcca ccatggttac cttcagccac gtctcc

36

<210> 12
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetically generated primer

<400> 12
ccggatcctc agatacagaa gacaattagc atcag

35

<210> 13
<211> 123
<212> PRT
<213> Mus musculus

<400> 13
Cys Pro Gly Gly Lys Tyr Val His Ser Lys Asn Asn Ser Ile Cys Cys
1 5 10 15
Thr Lys Cys His Lys Gly Thr Tyr Leu Val Ser Asp Cys Pro Ser Pro
20 25 30
Gly Arg Asp Thr Val Cys Arg Glu Cys Glu Lys Gly Thr Phe Thr Ala
35 40 45
Ser Gln Asn Tyr Leu Arg Gln Cys Leu Ser Cys Lys Thr Cys Arg Lys
50 55 60
Glu Met Ser Gln Val Glu Ile Ser Pro Cys Gln Ala Asp Lys Asp Thr
65 70 75 80
Val Cys Gly Cys Lys Glu Asn Gln Phe Gln Arg Tyr Leu Ser Glu Thr
85 90 95
His Phe Gln Cys Val Asp Cys Ser Pro Cys Phe Asn Gly Thr Val Thr
100 105 110
Ile Pro Cys Lys Glu Thr Gln Asn Thr Val Cys
115 120